

Overview

WHAT'S NEW

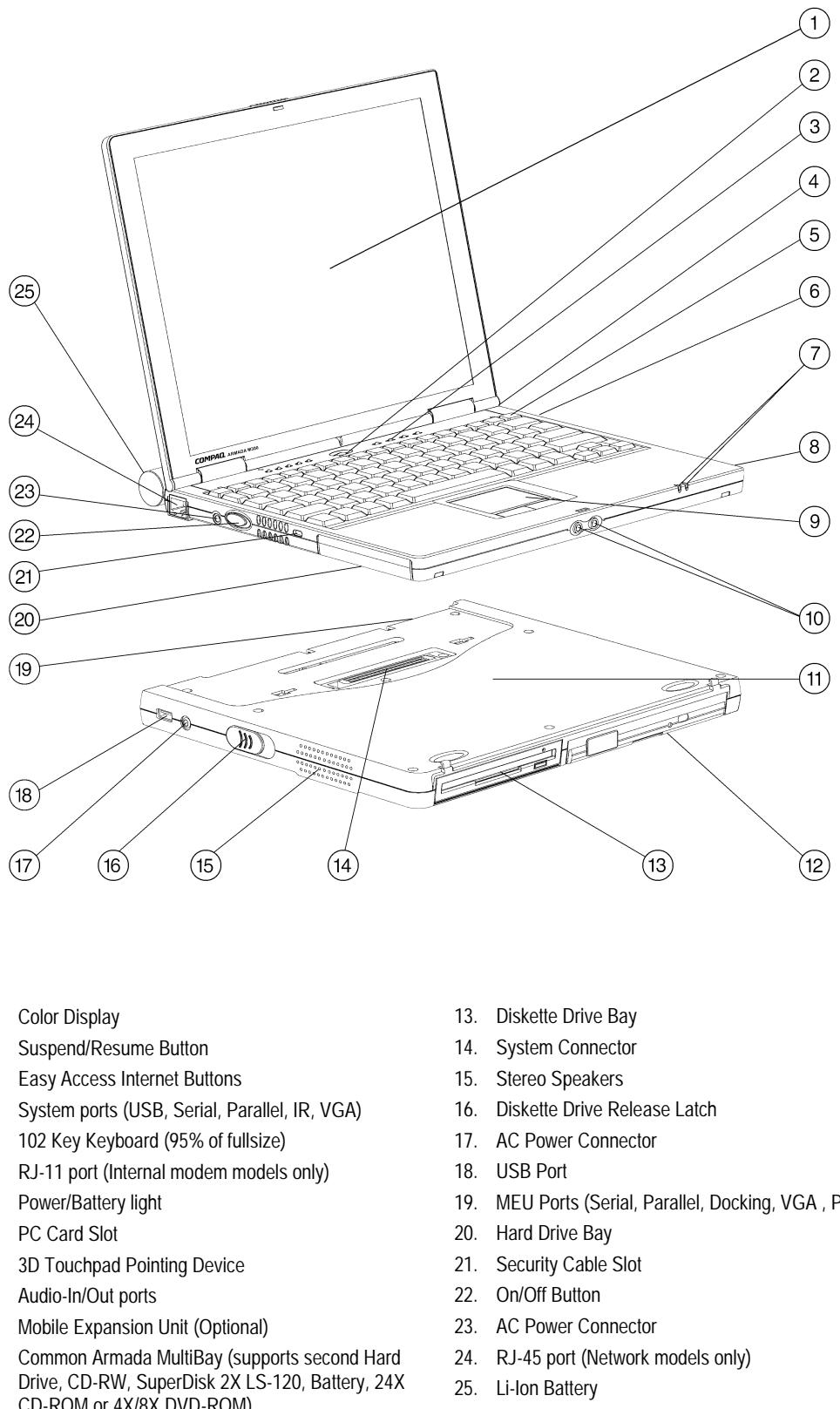
- Intel Mobile Pentium® III 600 MHz processors with SpeedStep™ technology
- 12.1" TFT XGA display
- Four Easy Access Internet buttons
- Armada E and M Common Preinstalled Software

AT A GLANCE

- Intel Mobile Pentium® III 600 MHz with SpeedStep™ technology, or 500 MHz processors
- 12.1" or 11.3" TFT XGA displays
- Ultralight weight (3.2 to 3.4 lbs or 1.5 to 1.6 kg depending on configuration)
- Less than 1 in/(2.3 cm) thin
- 64MB SDRAM upgradeable – 320MB
- Up to 12GB SMART hard drives
- User removable hard drive
- Integrated Mini PCI modem or Mini PCI modem/NIC combo on select models
- Keyboard 95% of full size
- Full set of system ports
- Dual Install Windows 2000/Windows NT 4.0 or Dual Install Windows 95/98
- Protected by a one-year, Worldwide Limited Warranty — Certain restrictions and exclusions apply. Consult the Compaq Customer Support Center for details.

WHAT'S SPECIAL

- Ultralight weight (3.2 to 3.4 lbs or 1.5 to 1.6 kg depending on configuration)
- Optional Mobile Expansion Unit with Multimedia, storage and enhanced security features
- Less than 1 inch thin (2.3cm)
- High Capacity Travel Battery (optional)
- Magnesium display enclosure
- Common docking solutions across the Armada E and M Series
- Industry leading PC lifecycle solutions



QUICKSPECS

Compaq Armada M300

Standard Features

MODELS

Armada M300

Available in multiple configurations

Processor and Panels – One of the following:

12.1-inch color TFT XGA with 1024 x 768 resolution (up to 16.7M colors internal)

600MHz on Intel Mobile Pentium® III processor

11.3-inch color TFT XGA with 1024 x 768 resolution (up to 16.7M colors internal)

600MHz on Intel Mobile Pentium® III processor

500MHz on Intel Mobile Pentium® III processor

Note: Mobile Pentium III processors, 600MHz and above, feature Intel SpeedStep™ technology.

Note: Mobile Pentium III processors feature 256KB integrated cache.

Memory

Standard 64 MB 100 MHz SDRAM

Maximum 320 MB 100 MHz SDRAM (adding 256MB to open slot)

Note: Due to the non-industry standard nature of some third-party 256 MB Memory modules, we strongly recommend using only Compaq branded 256 MB Memory modules to ensure compatibility.

Communications

Type I Mini PCI

Compaq Global Mini PCI 56K (V.90) Modem or

Compaq 56K (V.90) Modem plus Intel® PRO/100+ NIC

Note: Designed only to allow faster downloads from v.90 compliant sources. Maximum achievable download transmission rates currently do not reach 56 KB/s, and will vary with line conditions.

Note: Modem availability is subject to country regulatory approval.

Keyboard

95% of full-size 102-key compatible keyboard with isolated, inverted-T cursor control keys, and right-control key, special feature hotkeys for instant access to power conservation, QuickLock / QuickBlank (ex: FN+F6), toggle between internal and external, or simultaneous displays, battery gauge, speaker volume control, brightness and contrast.

Easy Access Internet Buttons

The Armada M300 comes with four Easy Access Internet Buttons allowing quick access to your most popular Internet sites, files and applications. The buttons come pre-set; however, they are user-customizable and designed to increase productivity by providing one-touch access.

Pointing Device

Touchpad with integrated pick buttons / "Double Tap" mouse-like buttons

PC Card Slots

One Type II PC Card Slot which supports both 32-bit CardBus ([Full support in Windows 9.x and Windows 2000](#)) and 16-bit PC Cards.

Storage

Diskette Drives 1.44 MB

Optical Drives 24X CD-ROM Drive or

8X DVD-ROM Drive

Hard Drives One of the following:

12-GB SMART

6-GB SMART

Multimedia

Compaq Premier•Sound™ for enhanced stereo audio (with optional MEU)

Integrated 16-bit Sound Blaster Pro-compatible stereo audio

Integrated speaker and microphone

Software volume control

Headphone-out

Microphone-in

Software MPEG1 support

DVD movie playback software

8X DVD-ROM Drive with DVD movie playback (*on select models*)

24X Max CD-ROM Drive (*on select models*)

PCI graphics

4 MB SGRAM

Standard Features

Interfaces

PC Card Slot	One Type II
Enhanced Parallel Port EPP/ECP	1
Serial Port	1
External Monitor	1
Headphone/Line-out	1
Microphone in	1
AC Power	1
RJ-11 (modem)	1 (Model dependent)
RJ-45 (NIC)	1 (Model dependent)
Infrared Port	1 (4 Mb/s support) (IrDA 4 MB compliant. IR performance will vary depending on performance of IR peripherals and application used.)
USB Port	1
LED Status Indicators	7

Graphics

ATI RAGE LT Pro, 4MB of SGRAM

Operating System – One of the following:

Dual Install Windows 2000 / Windows NT 4.0

Note: On Dual Install systems, the end user must make a one-time selection at initial start up. End users who need to change to another Operating System (OS) other than the one originally selected must obtain a new license for that OS.

Dual Install Windows 98 / Windows 95

Note: On Dual Install systems, the end user must make a one-time selection at initial start up. End users who need to change to another Operating System (OS) other than the one originally selected must obtain a new license for that OS.

Note: Effective September 30, 2000 all newly announced Armada Notebooks will offer only the Windows 98 operating system. Windows 95 will be available on select Armada Notebooks through December 31, 2000. Provisions are in place through the Compaq custom configuration program for those customers who still wish to use Windows 95.

Software

Compaq Insight Management Agents
Compaq Intelligent Manageability
Diagnostics for Windows 2000, 9.x or NT
DVD Solution (with optional MEU)
Compaq Power Management
Compaq Security Management
Online Safety and Comfort Guide
Fax Central for Windows 2000, 98 and NT
Online Safety and Comfort Guide
Acrobat Reader
Reference Guide

System Recovery

Each unit is shipped with a CD kit for quick recovery (erases hard disk and restores manufacturer installed image) and software recovery (installs only selected standard software)

Intelligent Manageability

Compaq Intelligent Manageability, a key component of PC Lifecycle Solutions, is the broad set of manageability features found on all Compaq Deskpro desktops, Armada portables, Professional Workstation, and ProLiant server products. These best-in-class features on PC clients comply with industry standards, such as DMI and Wired for Management, while pioneering new ground in client manageability. Compaq introduced the industry's first line of manageable clients in 1995 and has been driving the industry ever since. With Compaq's lifecycle management philosophy, enterprises have all of the pieces for end-to-end management and proven tools for hassle-free management of PCs and significantly lower Total Cost of Ownership.

Intelligent Manageability offers solutions in the areas of Initial Configuration and Deployment, Asset Tracking and Security, Software Updating and Management, and Fault Notification and Recovery. For more information, visit our website: www.compaq.com/im.

QUICKSPECS

Compaq Armada M300

Standard Features

Security

Configuration Control Hardware
Memory Change Alert
Ownership Tag
Setup Password
Power-On Password
DriveLock
QuickLock
QuickBlank
Enabled for PC SmartCard options

Power Supply

External AC Adapter; 6-foot power cord included. Total length including External AC adapter is 12 feet (3.66 Meters)

Battery

Li-Ion batteries are supported, with up to two hours of battery life supported with the standard 4 cell main battery; up to three hours when using a MultiBay battery in the Mobile Expansion Unit. An optional High-Capacity Travel Battery* is also available which provides up to 3 hours of battery life.

Note: An Armada M300 with the High-Capacity Travel Battery attached to the unit cannot be placed in an ArmadaStation EM, Convenience Base EM, or Port Replicator EM

Note: Actual results may vary with individual usage. When tested in standard configuration, using the Ziff-Davis BatteryMark Test version 2.0, the battery life of the Armada M300 will range up to 2 hours. Standard configuration at time of announce is considered to be one battery, a 1024x768 (High color - 16 Bit color) panel set at 50% brightness, 64MB RAM, and no drives other than the hard drive active.

Power Conservation

Intel SpeedStep Technology (allows a Battery Optimized Mode where CPU draws 50% of normal power yet affords 70 to 80% of maximum PIII processing speed)

Hibernation
Instant-on via Standby
Pop-ups with three presets
One custom level of power conservation
ACPI compliant

MultiBay Devices (with optional MEU)

Supports swapping with power or in suspend mode under Windows 9.x, Windows 2000 and NT4.0

Supports Hot Swapping : CD-ROM, DVD-ROM, MultiBay Battery

Supports swapping with power or in suspend mode Secondary Hard Drive, 2X LS-120

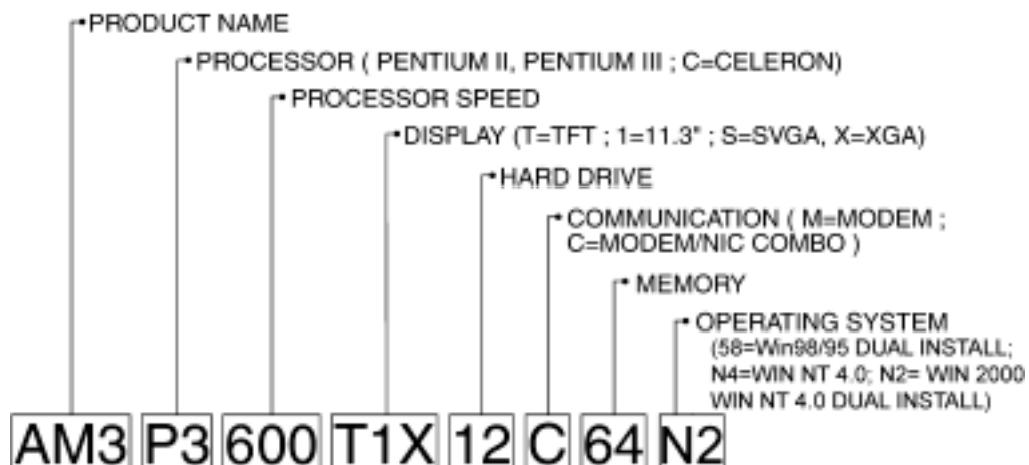
Service and Support

Compaq Services includes a one-year, Worldwide Limited Warranty, pick-up or carry-in, toll-free 7 x 24 hardware technical phone support. Optional services include; upgrade to three years standard warranty, onsite warranty, application and operating system support.

Note: Certain restrictions and exclusions apply. Consult the Compaq Customer Support Center for details.

Model Naming Convention

The Etymology of a Model Name:



QUICKSPECS

Compaq Armada M300

Standard Features

Models				
AM3 P3600T2X126458 191911-xx2	Display	12.1-inch color TFT XGA	Optical Drive	None
	Processor	Intel Pentium III 600-MHz	Hard Drive	12-GB SMART
	Cache Memory	256-KB integrated	Modem	
	Memory		Graphics	ATI RAGE LT Pro - 4MB of SGRAM
	Standard	64 MB	Audio	Compaq Premier•Sound™
	Maximum	320 MB	Software	Windows 98/95 (Dual Install)
AM3 P3600T2X1264N2 191911-xx8	Display	12.1-inch color TFT XGA	Optical Drive	None
	Processor	Intel Pentium III 600-MHz	Hard Drive	12-GB SMART
	Cache Memory	256-KB integrated	Modem	
	Memory		Graphics	ATI RAGE LT Pro - 4MB of SGRAM
	Standard	64 MB	Audio	Compaq Premier•Sound™
	Maximum	320 MB	Software	Windows 2000/NT 4.0 (Dual Install)
AM3 P3600T2X12C6458 180400-xx2	Display	12.1-inch color TFT XGA	Optical Drive	None
	Processor	Intel Pentium III 600-MHz	Hard Drive	12-GB SMART
	Cache Memory	256-KB integrated	Modem	Mini-PCI v.90 modem / 10/100 TX NIC Combo
	Memory		Graphics	ATI RAGE LT Pro - 4MB of SGRAM
	Standard	64 MB	Audio	Compaq Premier•Sound™
	Maximum	320 MB	Software	Windows 98/95 (Dual Install)
AM3 P3600T2X12C64N2 180400-xx8	Display	12.1-inch color TFT XGA	Optical Drive	None
	Processor	Intel Pentium III 600-MHz	Hard Drive	12-GB SMART
	Cache Memory	256-KB integrated	Modem	Mini-PCI v.90 modem / 10/100 TX NIC Combo
	Memory		Graphics	ATI RAGE LT Pro - 4MB of SGRAM
	Standard	64 MB	Audio	Compaq Premier•Sound™
	Maximum	320 MB	Software	Windows 2000/NT 4.0 (Dual Install)
AM3 P3600T2X12C6458 N 180400-xx3	Display	12.1-inch color TFT XGA	Optical Drive	None
	Processor	Intel Pentium III 600-MHz	Hard Drive	12-GB SMART
	Cache Memory	256-KB integrated	Modem	Mini-PCI v.90 modem / 10/100 TX NIC Combo
	Memory		Graphics	ATI RAGE LT Pro - 4MB of SGRAM
	Standard	64 MB	Audio	Compaq Premier•Sound™
	Maximum	320 MB	Software	Windows 98/95 (Dual Install)

QUICKSPECS

Compaq Armada M300

Standard Features

AM3 P3600T2X12C64N2N
180400-xx9

Display	12.1-inch color TFT XGA	Optical Drive	None
Processor	Intel Pentium III 600-MHz	Hard Drive	12-GB SMART
Cache Memory	256-KB integrated	Modem	Mini-PCI v.90 modem / 10/100 TX NIC Combo
Memory		Graphics	ATI RAGE LT Pro - 4MB of SGRAM
Standard	64 MB	Audio	Compaq Premier•Sound™
Maximum	320 MB	Software	Windows 2000/NT 4.0 (Dual Install)

AM3 P3600T1X66458
180427-xx2

Display	11.3-inch color TFT XGA	Optical Drive	None
Processor	Intel Pentium III 600-MHz	Hard Drive	6-GB SMART
Cache Memory	256-KB integrated	Modem	
Memory		Graphics	ATI RAGE LT Pro - 4MB of SGRAM
Standard	64 MB	Audio	Compaq Premier•Sound™
Maximum	320 MB	Software	Windows 98/95 (Dual Install)

AM3 P3600T1X664N2
180427-xx8

Display	11.3-inch color TFT XGA	Optical Drive	None
Processor	Intel Pentium III 600-MHz	Hard Drive	6-GB SMART
Cache Memory	256-KB integrated	Modem	
Memory		Graphics	ATI RAGE LT Pro - 4MB of SGRAM
Standard	64 MB	Audio	Compaq Premier•Sound™
Maximum	320 MB	Software	Windows 2000/NT 4.0 (Dual Install)

AM3 P3600T1X6C6458
180428-xx2

Display	11.3-inch color TFT XGA	Optical Drive	None
Processor	Intel Pentium III 600-MHz	Hard Drive	6-GB SMART
Cache Memory	256-KB integrated	Modem	Mini-PCI v.90 modem / 10/100 TX NIC Combo
Memory		Graphics	ATI RAGE LT Pro - 4MB of SGRAM
Standard	64 MB	Audio	Compaq Premier•Sound™
Maximum	320 MB	Software	Windows 98/95 (Dual Install)

AM3 P3600T1X6C64N2
180428-xx8

Display	11.3-inch color TFT XGA	Optical Drive	None
Processor	Intel Pentium III 600-MHz	Hard Drive	6-GB SMART
Cache Memory	256-KB integrated	Modem	Mini-PCI v.90 modem / 10/100 TX NIC Combo
Memory		Graphics	ATI RAGE LT Pro - 4MB of SGRAM
Standard	64 MB	Audio	Compaq Premier•Sound™
Maximum	320 MB	Software	Windows 2000/NT 4.0 (Dual Install)

QUICKSPECS

Compaq Armada M300

Standard Features

AM3 P3600T1X6C6458N 180428-xx3	Display Processor Cache Memory Memory Standard Maximum	11.3-inch color TFT XGA Intel Pentium III 600-MHz 256-KB integrated Standard Maximum	Optical Drive Hard Drive Modem Graphics Audio Software	None 6-GB SMART Mini-PCI v.90 modem / 10/100 TX NIC Combo ATI RAGE LT Pro - 4MB of SGRAM Compaq Premier•Sound™ Windows 98/95 (Dual Install)
AM3 P3600T1X6C64N2N 180428-xx9	Display Processor Cache Memory Memory Standard Maximum	11.3-inch color TFT XGA Intel Pentium III 600-MHz 256-KB integrated Standard Maximum	Optical Drive Hard Drive Modem Graphics Audio Software	None 6-GB SMART Mini-PCI v.90 modem / 10/100 TX NIC Combo ATI RAGE LT Pro - 4MB of SGRAM Compaq Premier•Sound™ Windows 2000/NT 4.0 (Dual Install)
AM3 P3500T1XC126458 165288-xx2	Display Processor Cache Memory Memory Standard Maximum	11.3-inch color TFT XGA Intel Pentium III 500-MHz 256-KB integrated Standard Maximum	Optical Drive Hard Drive Modem Graphics Audio Software	None 12-GB SMART Mini-PCI v.90 modem / 10/100 TX NIC Combo ATI RAGE LT Pro - 4MB of SGRAM Compaq Premier•Sound™ Windows 98/95 (Dual Install)
AM3 P3500T1XC126458 165288-xx6	Display Processor Cache Memory Memory Standard Maximum	11.3-inch color TFT XGA Intel Pentium III 500-MHz 256-KB integrated Standard Maximum	Optical Drive Hard Drive Modem Graphics Audio Software	None 12-GB SMART Mini-PCI v.90 modem / 10/100 TX NIC Combo ATI RAGE LT Pro - 4MB of SGRAM Compaq Premier•Sound™ Windows NT 4.0
AM3 P3500T1XC1264N2 165288-xx8	Display Processor Cache Memory Memory Standard Maximum	11.3-inch color TFT XGA Intel Pentium III 500-MHz 256-KB integrated Standard Maximum	Optical Drive Hard Drive Modem Graphics Audio Software	None 12-GB SMART Mini-PCI v.90 modem / 10/100 TX NIC Combo ATI RAGE LT Pro - 4MB of SGRAM Compaq Premier•Sound™ Windows 2000/NT 4.0 (Dual Install)

QUICKSPECS

Compaq Armada M300

Options

Memory

256-MB Memory Upgrade	161554-B21
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(Due to the non-industry standard nature of some third-party 256 MB Memory modules, we strongly recommend using only Compaq branded 256 MB Memory modules to ensure compatibility.)

128-MB Memory Upgrade	400313-B21
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64-MB Memory Upgrade	400312-B21
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32-MB Memory Upgrade	400311-B21
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Monitors

TFT8020 Flat Panel Color 18-inch (carbon)	159244-001
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TFT5010 Flat Panel Color 15-inch (carbon)	154486-001
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TFT5005 Flat Panel Color 15-inch (carbon)	201430-001
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V710 Color 17-inch	187895-001
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P1100 Color 21-inch	325606-001
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S910 Color 19-inch	138485-001
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MultiBay Hard Drives

20-GB 4200 rpm SMART Ultra ATA/66 Hard Drive	212790-B25
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10-GB 4200 rpm SMART Ultra ATA/66 Hard Drive	212789-B25
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12-GB 4200 rpm SMART Ultra ATA/66 Hard Drive	163531-B25
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6-GB 4200 rpm SMART Ultra ATA/66 Hard Drive	173395-B25
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MultiBay Storage Drives

CD-RW	136186-B25
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SuperDisk 2X LS-120	197895-B25
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24X CD-ROM Drive	298452-B25
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8X DVD-ROM Drive	138230-B25
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Mobile Expansion Unit (MEU)

MEU with 24X Max CD-ROM Drive (Data transfer rates will vary from 150 KB/s to 3600 KB/s.)	134097-B21
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MEU with 8X DVD-ROM Drive	187774-B21
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Connectivity

Compaq M420 56K Global Modem	317900-001
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10/100 TX PC Card UTP Controller	335506-B21
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100Base TX Ethernet Upgrade	225435-001
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1394 PC Card	177593-B25
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For additional compatible PC Cards, view the Compaq PC Card Solutions List on the Compaq website at: <http://www.compaq.com/support/techpubs/pcmcia/>

Note: Designed only to allow faster downloads from v.90 compliant sources. Maximum achievable download transmission rates currently do not reach 56 KB/s, and will vary with line conditions. Modem only supports Windows 9.x and Windows NT 4.0.

Wireless Connectivity

Compaq WL100 11 Mbps Wireless LAN PC Card	146927-001
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Compaq WL400 11 Mbps Wireless LAN Hardware Access Point	158603-001
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Compaq WL300 Software Access Point 11Mbps	157209-B21
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For more information on Compaq WLAN Wireless LAN solutions visit:

<http://www.compaq.com/products/wlan/wl100-specifications.html>

Expansion Bases

ArmadaStation EM	383500-xx1
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ArmadaStation EM With Intel NIC	120266-xx1
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ArmadaStation EM With 3Com NIC	120264-xx1
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ArmadaStation Tower Stand	123129-B25
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Convenience Base EM	382500-xx1
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Convenience Base EM With Intel NIC	120971-xx1
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Convenience Base EM With 3Com NIC	120970-xx1
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QUICKSPECS

Compaq Armada M300

Options

Expansion Bases (*continued*)

Convenience Base Monitor Cover	122931-xx1
Port Replicator EM	382300-xx1
PCI IBM Token Ring Card	133749-B21
PCI CardBus Reader	127397-B25

Note: The Armada M300 requires the optional Mobile Expansion Unit (MEU) for docking with any of the expansion bases listed above.

Note: An Armada M300 with the High-Capacity Travel Battery attached to the unit cannot be placed in any EM docking solution.

Power

Primary Battery (4-cells)	134096-B21
High Capacity Travel Battery	134099-B21
Note: An Armada M300 with the High-Capacity Travel Battery attached to the unit cannot be placed in any EM docking solution.	
Common Armada Power Solutions – Armada E500, Armada M300 and Armada M700	
MultiBay Battery (6-cells)	387937-B25
External Battery Charger	135555-xxx
AC Adapter 50W	120765-xxx
Auto Power Adapter/ Charger	401043-B25
Aircraft Power Adapter	386504-B21
AC Line Cord (10-ft)	217932-xx2

Input Devices

External Enhanced III Keyboard (carbon)	118003-008
Compaq 2 Button Mouse (carbon)	103180-B21
USB 2 Button Scroll Mouse (carbon)	195255-B25
External 10-Key Numeric Keypad (carbon)	294317-B21

Security

Biometric PC Card	146805-B25
Security Cable Lock	294316-B21
Compaq Smart Card PC Card Reader	135646-B25

Useful Accessories

Compaq Armada Headset with microphone	220460-001
MP1400 Microportable Projector	174626-xx4
MP1600 Microportable Projector	386202-xx2
MP1800 Microportable Projector	180226-xx1
Multimedia Adapter & Remote Kit (<i>comes with the MP1800</i>)	174963-001
MP1600 Video Adapter	116298-001
MP1600 Lamp replacement kit	118052-001
MP1800/1400 Lamp replacement kit	189789-001

Carrying Cases

Compaq Value Case	294266-B21
Compaq Workstation Case	294267-B21
Compaq Global Case	294268-B21
Compaq Professional Case (nylon)	401366-B21
Compaq Professional Case (leather)	401367-B21
<i>Armada M300 and Armada M700 specific</i>	
Compaq M Series Portfolio Case	167337-B21
Compaq Ultralight Case	167336-B21

For additional Compaq Brand cases, call 1-800-888-5903.

QUICKSPECS

Compaq Armada M300

Memory

Compaq Armada M300

STANDARD MEMORY

64 MB installed on board (1 slot available)

Standard	Slot
	1
64 MB	EMPTY

STANDARD MEMORY

WITH OPTIONAL MEMORY UPGRADES

Support for up to 320 MB of SDRAM is available with the installation of optional SDRAM Memory Upgrades.

Up To	Slot	
	1	
128 MB	<table border="1"><tr><td>64 MB</td></tr></table>	64 MB
64 MB		
196 MB	<table border="1"><tr><td>128 MB</td></tr></table>	128 MB
128 MB		
320 MB	<table border="1"><tr><td>256 MB</td></tr></table>	256 MB
256 MB		

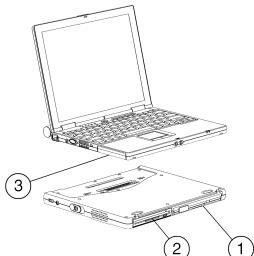
Note: This chart does not represent all possible memory configurations. Due to the non-industry standard nature of some third-party 256 MB Memory modules, we strongly recommend using only Compaq branded 256 MB Memory modules to ensure compatibility.

Following are memory options available from Compaq:

• 256-MB 100 MHz Memory Upgrade	161554-B21
• 128-MB 100 MHz Memory Upgrade	400313-B21
• 64-MB 100 MHz Memory Upgrade	400312-B21
• 32-MB 100 MHz Memory Upgrade	400311-B21

Note: Due to the non-industry standard nature of some third-party 256 MB Memory modules, we strongly recommend using only Compaq branded 256 MB Memory modules to ensure compatibility.

Storage



- 1 MultiBay
- 2 Diskette Drive Bay
- 3 Hard Drive Bay

DRIVE SUPPORT

System Drive Support	Quantity Supported	Drive Bay Supported
Removable Media		
1.44-MB Diskette Drive	Up to 1	External connects via parallel port
Hard Drives		
12-GB SMART Hard Drive	Up to 1	Hard Drive Bay
6-GB SMART Hard Drive	Up to 1	Hard Drive Bay

MEU Drive Support

MEU Drive Support	Quantity Supported	Drive Bay Supported
Removable Media		
1.44-MB Diskette Drive	Up to 1	Diskette Drive Bay
24X Max CD-ROM Drive	Up to 1	MultiBay
8X DVD-ROM Drive	Up to 1	MultiBay
SuperDisk 2X LS-120	Up to 1	MultiBay
Hard Drives		
12-GB SMART Hard Drive	Up to 1	MultiBay
6-GB SMART Hard Drive	Up to 1	MultiBay

QUICKSPECS

Compaq Armada M300

Technical Specifications

System Unit

Dimensions (HxWxD)	
12.1" TFT panel display	0.89 x 10.5 x 9.5 in/ 2.2 x 26.6 x 24.2 cm
11.3" TFT panel display	0.89 x 10.47 x 9 in/ 2.3 x 26.4 x 22.9 cm
Weight	
Min/Max	3.18 lbs to 3.37 lbs/1.44 kg to 1.53 kg
Stand-Alone Power Requirements	
Nominal Operating Voltage (Li-Ion)	14.2 VDC
Maximum Operating Power	35W
Peak Operating Power	40W
Temperature	
Operating	50° to 95°F/10° to 35°C
Non-operating	-4° to 140°F/-20° to 60°C
Relative Humidity (non-condensing)	
Operating	10% to 90% relative humidity, non-condensing
Non-operating	5% to 90% relative humidity, 101.6°F/38.7°C Maximum wet bulb temperature
Shock	
Operating	10 G, 11 ms, half-sine
Non-operating	60 G, 11 ms, half-sine
Vibration	
Operating	0.5 G, 10 to 500 Hz, 0.5 Oct/Min sweep rate
Non-operating	1.0 G, 10 to 500 Hz, 0.5 Oct/Min sweep rate
Maximum Altitude (unpressurized)	
Operating	0-10,000 ft/3,048 m (14.7 to 10.1 psia)
Non-operating	0-30,000 ft/9,144 m (14.7 to 4.4 psia)

12.1-Inch Color TFT XGA Display

Dimensions (HxW)	10.3x7.8 in (26.1x19.9 cm)
Diagonal Size	12.1 in (30.7 cm)
Mounting	Internal
Number of Colors	16M
Contrast Ratio	125:1
Brightness	130 nit typical AC only/70 on battery/115 nit minimum
Pixel Resolution	
Pitch	0.264 x 0.264 mm
Format	1024x768
Configuration	RGB Stripe
Backlight	CCFT
Character Display	80 x 25
Total Power Consumption	4W
Refresh	640 x 480, 800 x 600, 1024 x 768, 1280 x 1024, 1600 x 1200

QUICKSPECS

Compaq Armada M300

Technical Specifications

11.3-Inch Color TFT XGA Display

Dimensions (HxW)	7.5 x 10.1 in/19 x 25.6 cm
Diagonal Size	11.3 in/28.7 cm
Mounting	Internal
Number of Colors	16M
Contrast Ratio	125:1
Brightness	120 to 150 nit AC only/80 on battery
Pixel Resolution	
Pitch	0.264 x 0.264 mm
Format	800 x 600
Configuration	RGB Stripe
Backlight	CCFT
Character Display	80 x 25
Total Power Consumption	4W
Refresh	640 x 480, 800 x 600, 1024 x 768, 1280 x 1024, 1600 x 1200

Hard Drives

12 GB	Capacity	12 GB	Seek Time (typical reads, including settling)	
	Height	9.5 mm	Single Track	4 ms
	Width	2.5 in/63.5 mm	Average	13 ms (read)
	Interface	ATA	Full-Stroke	23 ms
	Transfer Rate		Rotational Speed	4200 rpm
	Synchronous (Maximum)	33.3 MB/s	Operating Temperature	41° to 131°F/5° to 55°C

6 GB	Capacity	6 GB	Seek Time (typical reads, including settling)	
	Height	9.5 mm	Single Track	4 ms
	Width	2.5 in/63.5 mm	Average	13 ms (read)
	Interface	ATA	Full-Stroke	23 ms
	Transfer Rate		Rotational Speed	4200 rpm
	Synchronous (Maximum)	33.3 MB/s	Operating Temperature	41° to 131°F/5° to 55°C

QUICKSPECS

Compaq Armada M300

Technical Specifications

Diskette Drive

Diskette Size	3.5 in
Weight	0.47 lb/0.21 kg
Light	On drive
Height	0.55in/1.4 cm
Bytes per Sector	512
Sectors per track	
High density	18 (1.44 MB)/15 (1.2 MB)
Low density	9
Tracks per side	
High density	80 (1.44 MB)/80 (1.2 MB)
Low density	80
Read/Write heads	2
Access Times	
Track-to track (high/low)	3 ms/6 ms
Average (high/low)	94 ms/174 ms
Settling time	15 ms
Latency average	100 ms

External AC Adapter

Weight	0.55 lb/0.25 kg
Power Supply (Input)	
Operating Voltage	90 to 260 VAC RMS
Operating Current	1.1 A RMS
Operating Frequency Range	47 to 63 Hz AC
Maximum Transient	4/50 kV

QUICKSPECS

Compaq Armada M300

Technical Specifications

Li-Ion Battery Pack (4-cell)

Dimensions (HxWxD)	0.9 x 10.47 x 0.9 in/2.3 x 26.6 x 2.3 cm
Weight	0.48 lb/0.21 kg
Cells	4 Li-Ion
Energy	
Voltage	14.4 V
Amp-hour capacity	1.69 Ah
Watt-hour capacity	27Wh
Temperature	
Operating	41° to 95°F/5° to 35°C
Non-operating	-22° to 140°F/-30° to 60°C

Li-Ion Battery Pack High-Capacity (4-cell)

Dimensions (HxWxD)	1.8 x 10.6 x 1.2 in/4.6 x 26.6 x 3.2 cm
Weight	0.93 lb/0.42 kg
Cells	4 Li-Ion
Energy	
Voltage	14.4 V
Amp-hour capacity	2.8 Ah
Watt-hour capacity	34Wh
Temperature	
Operating	41° to 95°F/5° to 35°C
Non-operating	-22° to 140°F/-30° to 60°C

Mobile Expansion Unit (Optional)

Dimensions (HxWxL)	0.9 x 10.47 x 9 in/2.3 x 26.6 x 22.9 cm
Weight	With CD 1.9 lbs/.86 kg With DVD 1.85 lbs/.84 kg
Ports	Parallel, serial, (2) PS/2, USB, VGA, Audio in/out
Connectors	220-pin docking connector, system docking connector
Audio	(2) Stereo speakers
FDD Support	Supports M300 Diskette Drive
MultiBay Support	CD-ROM, 4X/8X DVD-ROM, 2X SuperDisk LS-120, second Hard Drive, second Battery

QUICKSPECS

Compaq Armada M300

Technical Specifications

24X Max CD-ROM Drive
(Supported in optional MEU)

Applicable Disk	CD-ROM (Mode 1, 2 and 3), CD-XA ready (Mode 2, Form 1 and 2), CD-I ready (Mode 2, Form 1 and 2), CD-R (read only), CD Plus, Photo CD (Single and Multi-session), CD-Extra, Video CD, CD-WO (fixed packets only), CD-Bridge
Center Hole Diameter	0.59 in/15 mm
Disk Diameter	12 cm, 8 cm
Disk Thickness	1.2 mm
Track Pitch	1.6 µm
Access Times (typical reads, including settling)	
Random	< 150 ms
Full-Stroke	< 300 ms
Audio Output Level	
Line-out	0.7 Vrms
Cache Buffer	128 KB
Data Transfer Rate (typical, including settling)	
Sustained (16X)	150 KB/s (sustained 1X)
Variable	1500 to 3600 KB/s (10X to 24X)
Normal PIO Mode 4 (single burst)	16.66 MB/s
Start-up Time	< 8 sec
Stop Time	< 4 sec

8X DVD ROM Drive
(Supported in optional MEU)

Center Hole Diameter	0.59 in/0.39 cm
Disk Diameter	12 cm/8 cm
Disk Thickness	1.2 mm
Track Pitch	0.74 µm
Access Times (typical reads, including settling)	
Random	< 150 ms
Full-Stroke	< 225 ms
Audio Output Level	
Line out	0.7 Vrms
Cache Buffer	128 KB/s (minimum)
Data Transfer Rate (typical, including settling)	
Sustained (16X)	150 KB/s
Sustained 4X DVD	5,520 KB/s
Normal PIO Mode 4 (single burst)	16.6 MB/s
Start-up Time	< 15 sec
Stop Time	< 6 sec

QUICKSPECS

Compaq Armada M300

Technical Specifications

Compaq 56K(V.90) plus
Intel PRO/100+ Mini PCI

Form Factor	Mini-PCI Type 1B per Specification
OS Support (with all released Service Packs)	Windows 95 (OSR2.x), Windows 98 (Gold, SE) Windows NT4.0, Windows 2000, DOS Application Support under Windows
Power Management Support	APM Revision 1.2, ACPI, Compaq Power Management Extensions for Windows NT
Approvals/Certifications	UL, CSA, NEMKO, CCIB, Industry Canada, FCC Part 68, CTR21, FCC Part 15 Class B, Canadian ICES- 003 Class B, C.I.S.P.R.22, Australian ACA, CE Mark, Other Countries
Modem Device Driver Name	Compaq 56K (V.90) Mini PCI
Data Mode Capabilities	V.90 (a-law, mu-law) K56flex (a-law, mu-law) V.8bis V.80 V42.bis, MNP5 (Compression) V.42 (LAPM, MNP2-4) (Error Correction) V.34 (file date: 10/96) Optional symbol rates: 2800, 3429 Asymmetric Symbol rates Synchronous primary channel data signaling rates: 3600, 31200 Automatic rate re-negotiation V.32bis V.32 V.23 V.22bis V.22 V.21 Bell 212A Bell 103J
Fax Mode Capabilities	TIA-578-S (Class 1) T.30, T.4 (Group 3) V.17 V.29 V.27ter V.21 Channel 2
Command Set	V.250 (Partial) TIA-602 Identification: +GMI, +GMM, +GMR Port control :+IPR, +ICF, +IFC, +IIRR Modulation: +MS, +MR, +MA Error control: +ES, +ER, +EB, +ESR, +ETBM Data compression: +DS, +DR V.251

QUICKSPECS

Compaq Armada M300

Technical Specifications

Intel PRO/100+ Mini PCI

Ethernet Features

10 Mbps Ethernet: IEEE 802.3 standard 10Base T
100 Mbps Ethernet: IEEE 802.3u standard 100Base TX
Full Duplex at 10 and 100Mbps
Auto-Negotiation
Wake on LAN from all power managed states, including soft off (S5)
Boot on LAN from OFF
Lower Power State on Link Loss

Data Link Layers

IEEE 802.2 LLC
SNAP

Software support

Artisoft Lantastic 7.0, 8.0, Dedicated Server 1.1
Banyan 7.x, 8.5x
IBM LAN Server Version 1.2, 1.3, 2.0, 4.0
Microsoft NT 3.51, NT 4.0, Windows 2000

Protocol support

Novell Netware 3.1x, 4.x, 5.x
TCP/IP
Novell IPX/SPX and Microsoft compatible
Novel IPX ODI
Microsoft NetBEUI
Sun Microsystems PC-NFS
Banyan Vines Ethernet
IBM DLC